

PUBLIC NOTICE

Permit Application: NRS08.145

Applicant: Town Of Tracy City
Tracy City Municipal Waterworks
P. O. Box 28
Tracy City, TN 37387
931-592-2798

Location: Big Fiery Gizzard Creek, Big Fiery Gizzard Reservoir, Tracy City, Grundy County 35.2599614, -85.757142

Watershed Description: Big Fiery Gizzard Creek is designated as Exceptional Tennessee Waters from its confluence with Battle Creek to the up-stream most boundary of the Grundy Forest Natural Area.

Watershed: 6030001 . (2010) . Tennessee-Guntersville Lake

Stream Name: Big Fiery Gizzard Creek

Stream Segment ID: TN06030001057_0950

Designated Uses:

<u>Use</u>	<u>Use Support</u>	<u>Causes</u>	<u>Sources</u>
fish and aquatic life	not supporting	iron, low flow alterations	stream impoundments
irrigation	fully supporting		
livestock watering and wildlife	fully supporting		
recreation	not assessed		

Assessment Date: 12/13/07

Project Description:

The applicant proposes to enlarge the dam and reservoir pool of Big Fiery Gizzard Reservoir. The purpose is to increase storage capacity of the reservoir to assist regional needs during drought and for future drinking water demand. The proposed work would raise the normal pool 7 feet above the existing level. The reservoir volume and corresponding safe yield would increase approximately 90%. Rock material from the existing emergency spillway would be used to raise the dam outward away from the lake. The toe of the slope of the dam would extend beyond its present location about 40 feet. The headwall would be modified to avoid having to perform work in Big Fiery Gizzard Creek. The raised water level would inundate the existing reservoir shore on average about 80 feet horizontally. The reservoir would inundate Meeks Branch about 300 feet farther upstream and up Big Fiery Gizzard Creek about 1,000 feet beyond the extent of the present normal pool, converting each reach from a free flowing stream to a pool. The existing normal pool lies about 400 feet north of Brown Road and 800 feet west of Apple Orchard Road.

Determinations: In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the inundation of the additional 1300 linear feet of stream

within the area of the proposed reservoir expansion will result in degradation or more than an insignificant lowering of water quality.

However, the division has determined that there would likely be no additional degradation to the Exceptional Tennessee Waters segment located about 1000 feet downstream. The quality of waters downstream of the reservoir (tail-waters) is determined by reservoir operation. The water quality in the reservoir changes with depth. Therefore the quality of water in the tail-waters is determined by the depth from which the water is discharged downstream.

<http://www.state.tn.us/environment/wpc/ppo/arap>.

Comments: No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments would become part of the record and would be considered in the final decision. The applicant's name and permit number should be referenced.

Hearings: Interested persons may also request in writing, within the comment period, that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department would hold a public hearing.

File Review: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
Attn: Robert Baker
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department would consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination would be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

TRACY CITY MUNICIPAL WATERWORKS
ARAP APPLICATION
SECTION 8.2





35.2599614, -85.757142

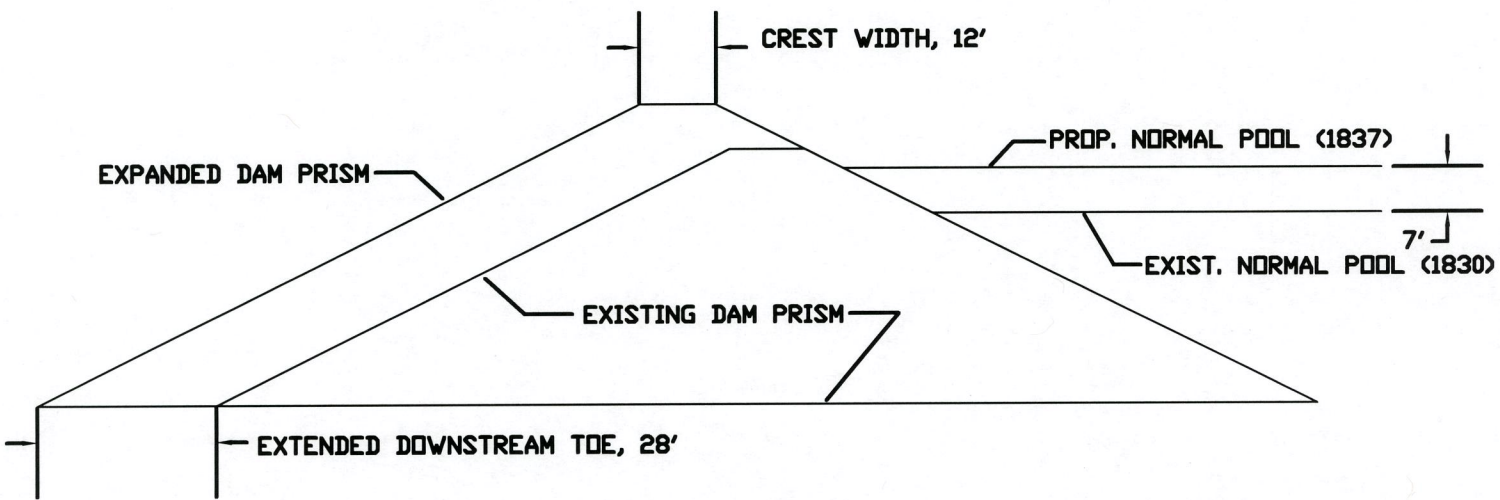
Image © 2008 DigitalGlobe

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Pointer lat 35.260224° lon -85.756605°

Streaming ||||| 100%

Eye alt 18892 ft



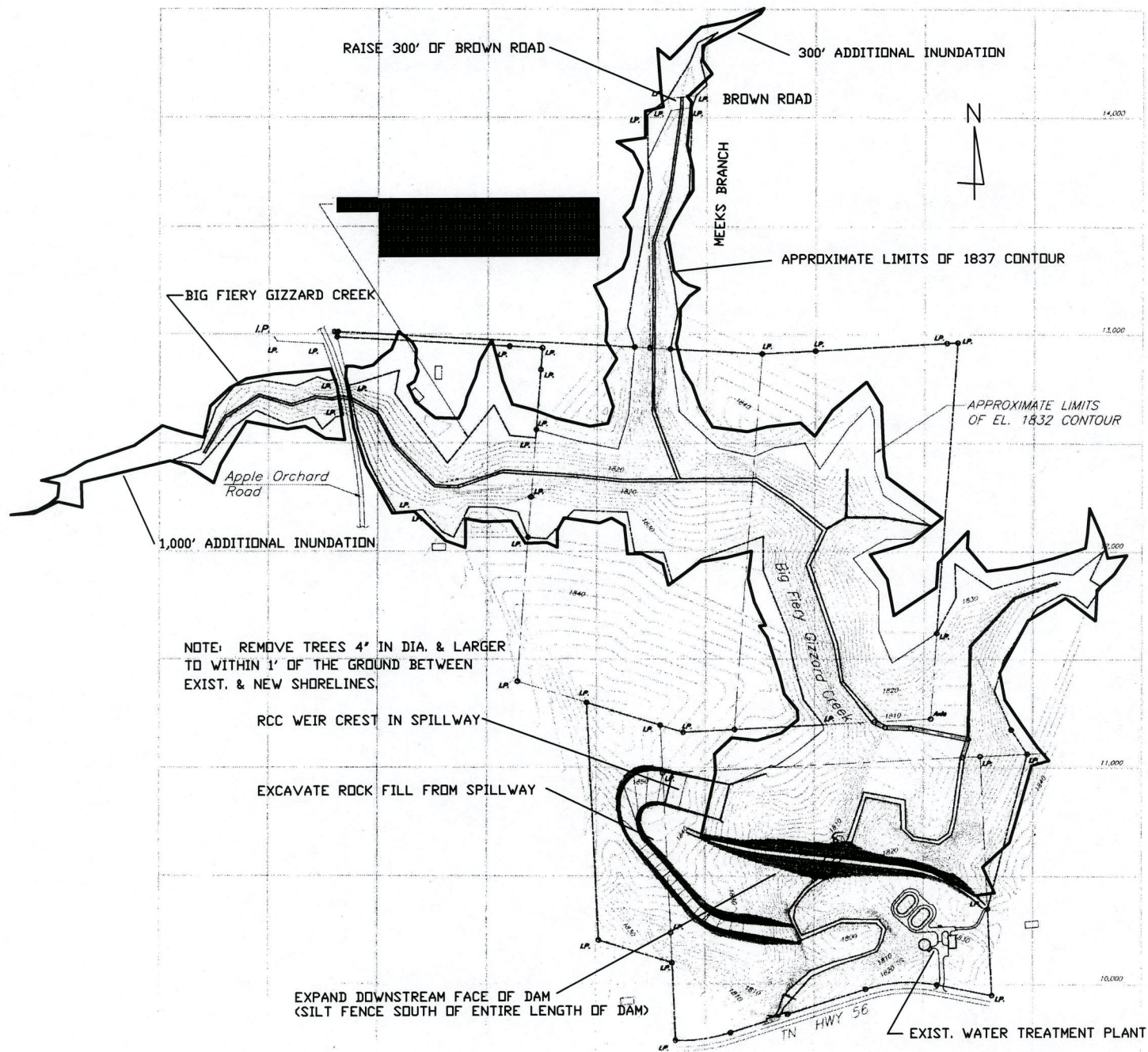
TRACY CITY MUNICIPAL WATER WORKS

ARAP APPLICATION

SECTION 12 - CROSS SECTION

NEG

SCALE: 1" = 30'
JUNE 13, 2008



TRACY CITY MUNICIPAL WATER WORKS

ARAP APPLICATION

SECTION 12 - PLAN

NBCG

SCALE: 1" = 700'
JUNE 13, 2008

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